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STEP

AUTHORS: Dashevskiy, L. N., Pogrebins'kiy, S. B., Shkabara, K. O.

TITLE: Structure scheme and basic constructional principles of a
"Kiyev" automatic digital device

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 66-67,
abstract 10V355 (Zb. prats' z obchisl. matem. i tekhn. v. 2.
Kiyev, AN USSR, 1961, 8-15 [Ukr.; summary in Russ.])

TEXT: The "Kiyev" automatic digital device designed at the Vychislitel'nyy tsentr AN USSR (Computer Center of AS UkrSSR) is a universal mean velocity machine for solving a wide range of mathematical problems. The machine is constructed on the asynchronous principle with the individual components autonomized and operating at optimum frequency, which can easily be brought up to date by replacing one or more of these. The work of the individual components is coordinated by a control system provided with starter devices which generate impulses to control information processing on receipt of signals from the components concerned indicating that they have completed the processing of information previously accepted by them. Pulse-potential

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Structure scheme and basic...

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logic schemes, based on the use of diode-transformer elements with a common magnetic conductor, are used. The machine is built into five separate cabinets. A small system of lifting tackle was used for erection.
[Abstracter's note: Complete translation.]

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